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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/609,027

DATE: 07/17/2000
TIME: 14:44:25

Input Set : A:\509501.app
Output Set: N:\CRF3\07172000\I609027.raw

3 <110> APPLICANT: Hendrickson, Wayne A
 4 Jiang, Xuliang
 5 Langley, Keith E
 6 Syed, Rashid
 7 Hsu, Yueh-Rong Ann
 9 <120> TITLE OF INVENTION: CONJUGATED LIGANDS FOR THE STIMULATION OF BLOOD CELL
 10 PROLIFERATION BY EFFECTING DIMERIZATION OF THE RECEPTOR
 11 FOR STEM CELL FACTOR
 13 <130> FILE REFERENCE: 50950/JPW/EMW
 C--> 15 <140> CURRENT APPLICATION NUMBER: US/09/609,027
 16 <141> CURRENT FILING DATE: 2000-06-29
 18 <160> NUMBER OF SEQ ID NOS: 10
 20 <170> SOFTWARE: PatentIn Ver. 2.1
 22 <210> SEQ ID NO: 1
 23 <211> LENGTH: 141
 24 <212> TYPE: PRT
 25 <213> ORGANISM: human
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 31 Lys Leu Val Ala Asn Leu Pro Lys Asp Tyr Met Ile Thr Leu Lys Tyr
 32 20 25 30
 34 Val Pro Gly Met Asp Val Leu Pro Ser His Gln Trp Ile Ser Glu Met
 35 35 40 45
 37 Val Val Gln Leu Ser Asp Ser Leu Thr Asp Leu Leu Asp Lys Phe Ser
 38 50 55 60
 40 Asn Ile Ser Glu Gly Leu Ser Asn Tyr Ser Ile Ile Asp Lys Leu Val
 41 65 70 75 80
 43 Asn Ile Val Asp Asp Leu Val Glu Cys Val Lys Glu Asn Ser Ser Lys
 44 85 90 95
 46 Asp Leu Lys Lys Ser Phe Lys Ser Pro Glu Pro Arg Leu Phe Thr Pro
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 49 Glu Glu Phe Phe Arg Ile Phe Asn Arg Ser Ile Asp Ala Phe Lys Asp
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 52 Phe Val Val Ala Ser Glu Thr Ser Asp Cys Val Val Ser
 53 130 135 140
 56 <210> SEQ ID NO: 2
 57 <211> LENGTH: 150
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 66 20 25 30
 68 Ile Thr Phe Glu Phe Val Asp Gln Glu Gln Leu Lys Asp Pro Val Cys
 69 35 40 45

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71 Tyr Leu Lys Lys Ala Phe Leu Leu Val Gln Asp Ile Met Glu Asp Thr
72      50          55          60
74 Met Arg Phe Arg Asp Asn Thr Pro Asn Ala Ile Ala Ile Val Gln Leu
75      65          70          75          80
77 Gln Glu Leu Ser Leu Arg Leu Lys Ser Cys Phe Thr Lys Asp Tyr Glu
78          85          90          95
80 Glu His Asp Lys Ala Cys Val Arg Thr Phe Tyr Glu Thr Pro Leu Gln
81          100         105         110
83 Leu Leu Glu Lys Val Lys Asn Val Phe Asn Glu Thr Lys Asn Leu Leu
84          115         120         125
86 Asp Lys Asp Trp Asn Ile Phe Ser Lys Asn Cys Asn Asn Ser Phe Ala
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89 Glu Cys Ser Ser Gln Gly
90 145          150
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94 <211> LENGTH: 129
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103          20          25          30
105 Phe Ala Ala Ser Lys Asn Thr Thr Glu Lys Glu Thr Phe Cys Arg Ala
106          35          40          45
108 Ala Thr Val Leu Arg Gln Phe Tyr Ser His His Glu Lys Asp Thr Arg
109          50          55          60
111 Cys Leu Gly Ala Thr Ala Gln Gln Phe His Arg His Lys Gln Leu Ile
112          65          70          75          80
114 Arg Phe Leu Lys Arg Leu Asp Arg Asn Leu Trp Gly Leu Ala Gly Leu
115          85          90          95
117 Asn Ser Cys Pro Val Lys Glu Ala Asn Gln Ser Thr Leu Glu Asn Phe
118          100         105         110
120 Leu Glu Arg Leu Lys Thr Ile Met Arg Glu Lys Tyr Ser Lys Cys Ser
121          115         120         125
123 Ser
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128 <211> LENGTH: 127
129 <212> TYPE: PRT
130 <213> ORGANISM: human
132 <400> SEQUENCE: 4
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136 Asn Ala Ile Gln Glu Ala Arg Arg Leu Leu Asn Leu Ser Arg Asp Thr
137          20          25          30
139 Ala Ala Glu Met Asn Glu Thr Val Glu Val Ile Ser Glu Met Phe Asp
140          35          40          45
142 Leu Gln Glu Pro Thr Cys Leu Gln Thr Arg Leu Glu Leu Tyr Lys Gln
143          50          55          60

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145 Gly Leu Arg Gly Ser Leu Thr Lys Ile Lys Gly Pro Leu Thr Met Met
 146 65 70 75 80
 148 Ala Ser His Tyr Lys Gln His Cys Pro Pro Thr Pro Glu Thr Ser Cys
 149 85 90 95
 151 Ala Thr Gln Ile Ile Thr Phe Glu Ser Phe Lys Glu Asn Leu Lys Asp
 152 100 105 110
 154 Phe Leu Leu Val Ile Pro Phe Asp Cys Trp Glu Pro Val Gln Glu
 155 115 120 125
 158 <210> SEQ ID NO: 5
 159 <211> LENGTH: 132
 160 <212> TYPE: PRT /
 161 <213> ORGANISM: human /
 163 <400> SEQUENCE: 5
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 165 1 5 10 15
 167 Leu Leu Leu Asp Leu Gln Met Ile Leu Asn Gly Ile Asn Asn Tyr Lys
 168 20 25 30
 170 Asn Pro Lys Leu Thr Arg Met Leu Thr Phe Lys Tyr Met Pro Lys Lys
 171 35 40 45
 173 Ala Thr Glu Leu Lys His Leu Gln Cys Leu Glu Glu Leu Lys Pro
 174 50 55 60
 176 Leu Glu Glu Val Leu Asn Leu Ala Gln Ser Lys Asn Phe His Leu Arg
 177 65 70 75 80
 179 Pro Arg Asp Leu Ile Ser Asn Ile Asn Val Ile Val Leu Glu Leu Lys
 180 85 90 95
 182 Gly Ser Glu Thr Thr Phe Met Cys Glu Tyr Ala Asp Glu Thr Ala Thr
 183 100 105 110
 185 Ile Val Glu Phe Leu Asn Arg Trp Ile Thr Phe Cys Gln Ser Ile Ile
 186 115 120 125
 188 Ser Thr Leu Thr
 189 130
 192 <210> SEQ ID NO: 6
 193 <211> LENGTH: 115
 194 <212> TYPE: PRT /
 195 <213> ORGANISM: human /
 197 <400> SEQUENCE: 6
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 201 Leu Leu Ser Thr His Arg Thr Leu Leu Ile Ala Asn Glu Thr Leu Arg
 202 20 25 30
 204 Ile Pro Val Pro Val His Lys Asn His Gln Leu Cys Thr Glu Glu Ile
 205 35 40 45
 207 Phe Gln Gly Ile Gly Thr Leu Glu Ser Gln Thr Val Gln Gly Gly Thr
 208 50 55 60
 210 Val Glu Arg Leu Phe Lys Asn Leu Ser Leu Ile Lys Lys Tyr Ile Asp
 211 65 70 75 80
 213 Gly Gln Lys Lys Cys Gly Glu Arg Arg Arg Val Asn Gln Phe
 214 85 90 95
 216 Leu Asp Tyr Leu Gln Glu Phe Leu Gly Val Met Asn Thr Glu Trp Ile

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217			
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224	<211> LENGTH: 164		
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226	<213> ORGANISM: human		
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232	Lys Leu Val Ala Asn Leu Pro Lys Asp Tyr Met Ile Thr Leu Lys Tyr		
233		20	25
235	Val Pro Gly Met Asp Val Leu Pro Ser His Cys Trp Ile Ser Glu Met		
236		35	40
238	Val Val Gln Leu Ser Asp Ser Leu Thr Asp Leu Leu Asp Lys Phe Ser		
239		50	55
241	Asn Ile Ser Glu Gly Leu Ser Asn Tyr Ser Ile Ile Asp Lys Leu Val		
242		65	70
244	245	Asn Ile Val Asp Asp Leu Val Glu Cys Val Lys Glu Asn Ser Ser Lys	
247		85	90
248	Asp Leu Lys Lys Ser Phe Lys Ser Pro Glu Pro Arg Leu Phe Thr Pro		
250		100	105
251	Glu Glu Phe Phe Arg Ile Phe Asn Arg Ser Ile Asp Ala Phe Lys Asp		
253		115	120
254	Phe Val Val Ala Ser Glu Thr Ser Asp Cys Val Val Ser Ser Thr Leu		
256		130	135
257	Ser Pro Glu Lys Asp Ser Arg Val Ser Val Thr Lys Pro Phe Met Leu		
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264	<211> LENGTH: 164		
265	<212> TYPE: PRT		
266	<213> ORGANISM: MOUSE		
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	1	5	10
272	Lys Leu Val Ala Asn Leu Pro Asn Asp Tyr Met Ile Thr Leu Asn Tyr		
273		20	25
275	Val Ala Gly Met Asp Val Leu Pro Ser His Cys Trp Leu Arg Asp Met		
276		35	40
278	Val Ile Gln Leu Ser Leu Ser Leu Thr Thr Leu Leu Asp Lys Phe Ser		
279		50	55
281	Asn Ile Ser Glu Gly Leu Ser Asn Tyr Ser Ile Ile Asp Lys Leu Gly		
282		65	70
284	285	Lys Ile Val Asp Asp Leu Val Leu Cys Met Glu Glu Asn Ala Pro Lys	
287		85	90
288	Asn Ile Lys Glu Ser Pro Lys Arg Pro Glu Thr Arg Ser Phe Thr Pro		
290		100	105
			110
			Glu Glu Phe Phe Ser Ile Phe Asn Arg Ser Ile Asp Ala Phe Lys Asp

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291      115          120          125
293 Phe Met Val Ala Ser Asp Thr Ser Asp Cys Val Leu Ser Ser Thr Leu
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305 <212> TYPE: PRT
306 <213> ORGANISM: rat
308 <400> SEQUENCE: 9
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312 Lys Leu Val Ala Asn Leu Pro Asn Asp Tyr Met Ile Thr Leu Asn Tyr
313      20          25          30
315 Val Ala Gly Met Asp Val Leu Pro Ser His Cys Trp Leu Arg Asp Met
316      35          40          45
318 Val Thr His Leu Ser Val Ser Leu Thr Thr Leu Leu Asp Lys Phe Ser
319      50          55          60
321 Asn Ile Ser Glu Gly Leu Ser Asn Tyr Ser Ile Ile Asp Lys Leu Gly
322 65          70          75          80
324 Lys Ile Val Asp Asp Leu Val Ala Cys Met Glu Glu Asn Ala Pro Lys
325      85          90          95
327 Asn Val Lys Glu Ser Leu Lys Lys Pro Glu Thr Arg Asn Phe Thr Pro
328      100         105         110
330 Glu Glu Phe Phe Ser Ile Phe Asn Arg Ser Ile Asp Ala Phe Lys Asp
331      115         120         125
333 Phe Met Val Ala Ser Asp Thr Ser Asp Cys Val Leu Ser Ser Thr Leu
334 130          135          140
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345 <212> TYPE: PRT
346 <213> ORGANISM: DOG
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353      20          25          30
355 Val Pro Gly Met Asp Val Leu Pro Ser His Cys Trp Ile Ser Val Met
356      35          40          45
358 Val Glu Gln Leu Ser Val Ser Leu Thr Asp Leu Leu Asp Lys Phe Ser
359      50          55          60
361 Asn Ile Ser Glu Gly Leu Ser Asn Tyr Ser Ile Ile Asp Lys Leu Val
362 65          70          75          80
364 Lys Ile Val Asp Asp Leu Val Glu Cys Thr Glu Gly Tyr Ser Phe Glu
365      85          90          95

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L:15 M:270 C: Current Application Number differs, Replaced Current Application Number